RCS-100

Riester Camera System





RCS-100 DIGITAL, PORTABLE AND MULTIFUNCTIONAL MEDICAL CAMERA SYSTEM

With the RCS-100, Riester introduces a new generation of a digital medical camera system with a full range of lenses.

Available with 3 lenses:

Otoscope lens General lens Dermatoscope lens

Features: Benefits:

Rotary wheel For one-hand operation

Digital camera Allows accurate first diagnosis and planning of

consistent follow-up treatment

Touch screen Easy to use
Change of lens Fast and easy

Multi functional diagnosis ENT, dermatology and general practice

LCD screen 5" full HD colour TFT-LCD display 1.280 x 720 pixel

Including scratch proof cover

8 MP CMOS High resolution, scaleable image Image/Video format Picture: JPEG, Video: MP4

Focus settings automatic (otoscope/general lens)

manual (all lenses)

Art.-No.: 1970-H

Camera basic model including: Power supply, cable, 4 plugs (EU, US, UK, Australia)

Otoscope lens:

Enhanced view of auditory canal

Disposable and reusable

specula mm (in) 2 (0.08), 3 (0.12), 4 (0.16) and 5 (0.20)

Light source Visible white LED

LED colour temperature 4.000 K

Size mm (in) 73.5 (2.89) x 40 (1.57) x 40 (1.57)

Resolution 8 MP CMOS

Air channel for pneumatic test (compatible with existing Riester connector)

Focus range mm (in) 8 - 25 (0.31 - 0.98)

Field of view at a distance from the opject of (with specula Ø 4 mm):

25 mm (0.99 in) 12 (0.47) 15 mm (0.60 in) 9 (0.35) 10 mm (0.40 in) 8 (0.31) Magnification on display 6 x

Art.-No.: 1970-HXX0 Art.-No.: 13272
Camera basic model with: Otoscope lens

Otoscope lens





Dermatoscope lens:

Accurate identification and measurement of skin lesions

No immersion necessary

Light source Visible white LED

LED colour temperature 4.000 KField of view mm (in) 30 Ø (1.18)Resolution 8 MP CMOS

Digital movable ruler

Optical magnification 2.5 x (from optics)

Displayed magnification $2 \times - 8 \times$ Digital magnification $4 \times (\text{on top})$

Size mm (in) 62.1 (24.4) x 62.1 (24.4) x 36 (1.42)

Art.-No.: 1970-HDXX Art.-No.: 13270
Camera basic model with: Dermatoscope lens

Dermatoscope lens



General lens:

Light source Visible white LED

LED colour temperature 5.500 K

Focus range mm (in) 30 - 4.000 (1.18 - 157.48)

Display magnification

at 30 mm distance to the object 1.0 x - 4.0 xResolution 8 MP CMOS

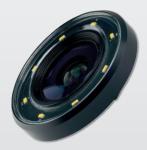
Field of view 78°
Optical magnification 2 x
Digital magnification 4 x

Size mm (in) 60.5 (23.82) x 60.5 (23.82) x 19 (0.75)

Art.-No.: 1970-HXGX Art.-No.: 13271
Camera basic model with: General lens

General lens

1970-HDX0 =



Art.-No.: Model: 1970-H = Camera basic model 1970-HXX0 = Camera with otoscope lens 1970-HDXX = Camera with dermatoscope lens 1970-HXGX = Camera with general lens 1970-HDG0 = Camera with all lenses (otoscope, dermatoscope and general lens) 1970-HDGX = Camera with dermatoscope and general lens 1970-HXG0 = Camera with general and otoscope lens

Camera with dermatoscope and otoscope lens

Technical data:

LCD screen 5" full HD colour TFT-LCD display 1.280 x 720 pixel

including scratch proof cover

Focus Automatic/manual

Image/Video format Picture: JPEG, Video: MP4

Battery 3.6 V 2600 mAH 1S1P 18650-li-battery

Adaptor Input: 100 ~ 240 V

50 ~ 60 Hz, 0.3 A Output: DC 5 V/2 A

CMOS sensor 8 MPixel

USB OTG type C USB, UVC

RAM 2 GB LPDDR3

ROM 16 GB

Optional: Extended memory 16 GB Wifi SD Card

Start time < 30 sec.

Wake up time < 5 sec.

Stand by time approx. 7 days

Ambient temperature + 10° C to + 40° C

Operating time Video 3.5 hours

Charging time 3 hours

Relative humidity 15 % to 95 % rel. non condensing

Storage 0° C to + 45° C

Cleaning control unit

and charging adaptor Soft cloth with alcohol (70 % ethyl alcohol)

Cleaning optical lenses Cleaning cloth or a lens cleaning tissu (e.g. THORLABS)

Weight handset 292 q

Dimension mm (in) 225 x 135 x 45 (8.86 x 5.31 x 1.77)

Weight otoscope 96 g

Dimension mm (in) 73.5 x 40 x 40 (2.89 x 1.57 x 1.57)

Weight dermatoscope 108.5 g

Dimension mm (in) 62.1 x 62.1 x 36 (2.44 x 2.44 x 1.42)

Weight general lens 66.4 q

Dimension mm (in) 60.5 x 60.5 x 19 (23.82 x 23.82 x 0.75)